

#2

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/823,307

DATE: 10/24/2001

TIME: 13:13:45

Input Set : A:\7853235.txt

Output Set: N:\CRF3\10242001\I823307.raw

3 <110> APPLICANT: KroczeK, Richard
 5 <120> TITLE OF INVENTION: Methods of Modulating T Lymphocyte Costimulation
 7 <130> FILE REFERENCE: 7853-235
 9 <140> CURRENT APPLICATION NUMBER: 09/823,307
 10 <141> CURRENT FILING DATE: 2001-04-02
 12 <150> PRIOR APPLICATION NUMBER: 09/509,283
 13 <151> PRIOR FILING DATE: 2000-08-11
 15 <160> NUMBER OF SEQ ID NOS: 4
 17 <170> SOFTWARE: PatentIn version 3.0

ENTERED

19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 2641
 21 <212> TYPE: DNA
 22 <213> ORGANISM: 8F4
 24 <400> SEQUENCE: 1
 25 cgagagcctg aattcactgt cagctttgaa cactgaacgc gaggactgtt aactgtttct 60
 26 ggcaaacatg aagtcaggcc tctgggtattt ctttctcttc tgcttgcgca ttaaagtttt 120
 27 aacaggagaa atcaatgggt ctgccaatta tgagatgttt atatttcaca acggagggtgt 180
 28 acaaatttta tgcaaatatc ctgacattgt ccagcaattt aaaatgcagt tgctgaaagg 240
 29 ggggcaata ctctgcgac tcactaagac aaaaggaagt ggaaacacag tgtccattaa 300
 30 gagtctgaaa ttctgccatt ctgagttatc caacaacagt gtctcttttt ttctatacaa 360
 31 cttggaccat tctcatgcca actattactt ctgcaacctt tcaatttttg atcctcctcc 420
 32 ttttaagta actcttacag gaggatattt gcatatttat gaatcacaac ttgttgcca 480
 33 gctgaagttc tggttaccca taggatgtgc agcctttgtt gtagtctgca ttttgggatg 540
 34 catacttatt tgttggttta caaaaaagaa gtattcatcc agtgtgcacg accctaacgg 600
 35 tgaatacatg ttcatgagag cagtgaacac agccaaaaaa tctagactca cagatgtgac 660
 36 cctataatat ggaactcttg caccagga tgaagcacgt tggccagttt tctcaactt 720
 37 gaagtgaag attctcttat ttccgggacc acggagagtc tgacttaact acatacatct 780
 38 tctgctggtg tttgtttcaa tctggaagaa tgactgtatc agtcaatggg gattttaaca 840
 39 gactgccttg gtactgccga gtctctctca acaaaacacc ctcttgcaac cagctttgga 900
 40 gaaagcccag ctctgtgtg ctactggga gtggaatccc tgtctccaca tctgctccta 960
 41 gcagtgcac agccagtaaa acaaacacat ttacaagaaa aatgttttaa agatgccagg 1020
 42 ggtactgaat ctgcaaagca aatgagcagc caaggaccag catctgtccg catttacta 1080
 43 tcatactacc tcttctttct gtagggatga gaattcctct ttaatacagt caagggagat 1140
 44 gcttcaaagc tggagctatt ttatttctga gatgttgatg tgaactgtac attagtacat 1200
 45 actcagtact ctcttcaat tgcgtgaacc cagttgacca ttttaccagg acttttagatg 1260
 46 ctttctgtg ccctcaattt tcttttttaa aatacttcta catgactgct tgacagccca 1320
 47 acagccactc tcaatagaga gctatgtctt acattcttct ctctgctgct caatagtttt 1380
 48 atatatttat gcatacatat atacacacat atgtatataa aattcataat gaatatattt 1440
 49 gcctatatcc tccctacaag aatatttttg ctccagaaag acatgttctt ttctcaaatt 1500
 50 cagttaaaat ggtttacttt gttcaagtta gtggtaggaa acattgcccg gaattgaaag 1560
 51 caaatttatt ttattatcct attttctacc attatctatg ttttcatggt gctattaatt 1620
 52 acaagtttag ttctttttgt agatcatatt aaaattgcaa acaaaatcat ctttaattgg 1680
 53 ccagcattct catggggtag agcagaatat tcatttagcc tgaaagctgc agttactata 1740
 54 ggttgctgtc agactatacc catggtgcct ctgggcttga caggtcaaaa tgggtcccat 1800
 55 cagcctggag cagccctcca gacctgggtg gaattccagg gttgagagac tcccctgagc 1860
 56 cagaggccac taggtattct tgcctccaga ggctgaagtc accctgggaa tcacagtggg 1920
 57 ctacctgcat tcataattcc aggatctgtg aagagcacat atgtgtcagg gcacaattcc 1980

RAW SEQUENCE LISTING

DATE: 10/24/2001

PATENT APPLICATION: US/09/823,307

TIME: 13:13:45

Input Set : A:\7853235.txt

Output Set: N:\CRF3\10242001\I823307.raw

```

58 ctctcataaa aaccacacag cctggaaatt ggccctggcc cttcaagata gccttcttta 2040
59 gaatatgatt tggctagaaa gattcttaaa tatgtggaat atgattattc ttagctggaa 2100
60 tattttctct acttcctgtc tgcattgcca aggccttctga agcagccaat gtcgatgcaa 2160
61 caacatttgt aacttttagt aaactgggat tatgtttagt tttaacattt tgtaactgtg 2220
62 tgcttatagt ttacaagtga gaccgatgat gtcattatgc atacttatat tatcttaagc 2280
63 atgtgtaatg ctggatgtgt acagtacagt actgaacttg taatttgaat ctagtatggt 2340
64 gttctgtttt cagctgactt ggacaacctg actggccttg cacagggtgt ccctgagttg 2400
65 tttgcagggt tctgtgtgtg ggggtgggta tggggaggag aaccttcatt gtggcccacc 2460
66 tggcctggtt gtccaagctg tgcctcgaca catcctcatc cccagcatgg gacacctcaa 2520
67 gatgaataat aattcacaaa atttctgtga aatcaaattc agttttaaga ggagccactt 2580
68 atcaaagaga ttttaacagt agtaagaagg caaagaataa acatttgata ttcagcaact 2640
69 g 2641

```

71 <210> SEQ ID NO: 2

72 <211> LENGTH: 198

73 <212> TYPE: PRT

74 <213> ORGANISM: 8F4

76 <400> SEQUENCE: 2

```

77 Met Lys Ser Gly Leu Trp Tyr Phe Phe Leu Phe Cys Leu Arg Ile Lys
78 1 5 10 15
79 Val Leu Thr Gly Glu Ile Asn Gly Ser Ala Asn Tyr Glu Met Phe Ile
80 20 25 30
81 Phe His Asn Gly Gly Val Gln Ile Leu Cys Lys Tyr Pro Asp Ile Val
82 35 40 45
83 Gln Gln Phe Lys Met Gln Leu Leu Lys Gly Gly Gln Ile Leu Cys Asp
84 50 55 60
85 Leu Thr Lys Thr Lys Gly Ser Gly Asn Thr Val Ser Ile Lys Ser Leu
86 65 70 75 80
87 Lys Phe Cys His Ser Gln Leu Ser Asn Asn Ser Val Ser Phe Phe Leu
88 85 90 95
89 Tyr Asn Leu Asp His Ser His Ala Asn Tyr Tyr Phe Cys Asn Leu Ser
90 100 105 110
91 Ile Phe Asp Pro Pro Pro Phe Lys Val Thr Leu Thr Gly Gly Tyr Leu
92 115 120 125
93 His Ile Tyr Glu Ser Gln Leu Cys Cys Gln Leu Lys Phe Trp Leu Pro
94 130 135 140
95 Ile Gly Cys Ala Ala Phe Val Val Cys Ile Leu Gly Cys Ile Leu Ile
96 145 150 155 160
97 Cys Trp Leu Thr Lys Lys Lys Tyr Ser Ser Ser Val His Asp Pro Asn
98 165 170 175
99 Gly Glu Tyr Met Phe Met Arg Ala Val Asn Thr Ala Lys Lys Ser Arg
100 180 185 190
101 Leu Thr Asp Val Thr Leu
102 195

```

103 <210> SEQ ID NO: 3

104 <211> LENGTH: 17

105 <212> TYPE: PRT

106 <213> ORGANISM: 8F4

108 <400> SEQUENCE: 3

109 Met Gly Asn Cys Thr Ser Ala Cys Asn Gly Ala Tyr Gly Thr Asn Ala

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/823,307

DATE: 10/24/2001

TIME: 13:13:45

Input Set : A:\7853235.txt

Output Set: N:\CRF3\10242001\I823307.raw

110	1	5	10	15
111	Cys			
113	<210> SEQ ID NO: 4			
114	<211> LENGTH: 17			
115	<212> TYPE: PRT			
116	<213> ORGANISM: 8F4			
118	<400> SEQUENCE: 4			
120	Met Gly Asn Tyr Thr Asp Ala Cys Asn Gly Ala Tyr Gly Thr Asn Ala			
121	1	5	10	15
122	Cys			

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/823,307

DATE: 10/24/2001
TIME: 13:13:46

Input Set : A:\7853235.txt

Output Set: N:\CRF3\10242001\I823307.raw